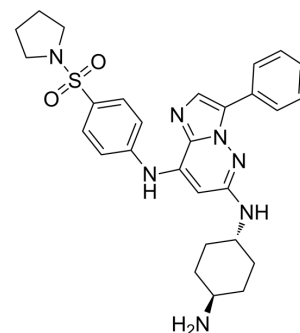


## FLT3-IN-20

Cat. No.:	HY-155770
Molecular Formula:	C <sub>28</sub> H <sub>33</sub> N <sub>7</sub> O <sub>2</sub> S
Molecular Weight:	531.67
Target:	FLT3
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

FLT3-IN-20 (compound 34f) is a potent FLT3 inhibitor with IC<sub>50</sub> values of 1 and 4 nM for FLT3-D835Y and FLT3-ITD, respectively. FLT3-IN-20 has anti-proliferation efficacy in FLT3-ITD-positive AML cell lines MV4-11 and MOLM-13 (7 and 9 nM, respectively) and the MOLM-13 variant (4 nM) with the FLT3-ITD-D835Y mutation. FLT3-IN-20 can be used in research of cancer<sup>[1]</sup>.

## REFERENCES

[1]. Břehová P, et, al. Inhibition of FLT3-ITD Kinase in Acute Myeloid Leukemia by New Imidazo[1,2-b]pyridazine Derivatives Identified by Scaffold Hopping. J Med Chem. 2023 Aug 24;66(16):11133-11157.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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